

BIOSCIENCES INDUSTRY

MISSOURI TARGET INDUSTRY

SEPTEMBER 2023

QUICK STATS BIOSCIENCES STATEWIDE

2022 Average Annual Wage

\$77,615

16.7% increase from 2017-2022

2022 Employment Statewide

48,628

10.2% increase from 2017

Net Employment Change

2017-2022

4,482

2022 Number of Establishments

3,327

Employment Change

2017-2022

Veterinary Services

1,457

Pharmaceutical and Medicine Mfg.

979

Animal Food Mfg.

506

Grain and Oilseed Milling

501

Pesticide, Fertilizer, and Other
Agricultural Chemical Mfg.

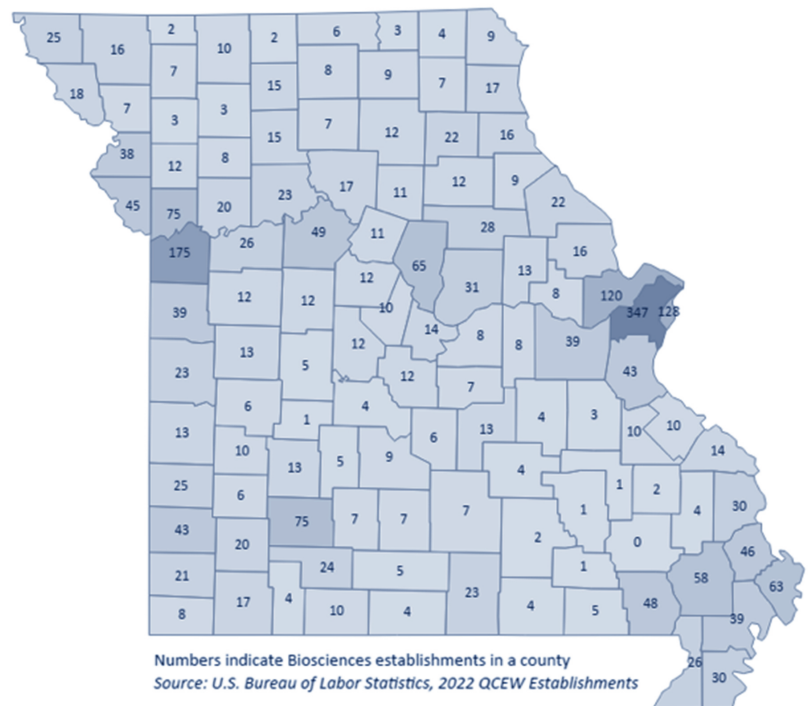
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The Biosciences industry includes production, services, and research and development sectors. Biosciences represents 2 percent of total private sector employment in Missouri, employing 48,628 workers across 3,327 establishments in 2022.

Location quotient (LQ) compares the regional share of an industry to the national share. LQs that are higher than the national average of 1.0 indicate a higher employment concentration within a region. Missouri has higher employment concentrations in *Animal Food Manufacturing* with an LQ of 3.96, *Hog and Pig Farming* with an LQ of 3.53, *Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing* with an LQ of 3.14, and *Oilseed and Grain Farming* with an LQ of 2.54.

Employment grew an average of 2 percent per year from 2017 to 2022, adding a total of 4,482 jobs. The industries with the greatest employment growth include *Veterinary Services*; *Pharmaceutical and Medicine Manufacturing*; *Animal Food Manufacturing*; and *Grain and Oilseed Milling*.

MISSOURI CONCENTRATION OF BIOSCIENCES ESTABLISHMENTS



BIOSCIENCES TARGET INDUSTRY GROUP

NAICS	Industry	2022 Establishments	2022 Employment	2022 Average Annual Wage	2022 Employment LQ	2017-2022 Change in Employment
All	Total, All Industries	224,382	2,424,578	\$60,159	1.00	58,273
	Total, Biosciences	3,327	48,628	\$77,615	1.05	4,482
1111	Oilseed and Grain Farming	665	2,631	\$46,978	2.54	288
1122	Hog and Pig Farming	97	1,920	\$46,886	3.53	-105
1152	Support Activities for Animal Production	98	534	\$38,678	0.92	-68
3111	Animal Food Manufacturing	100	5,318	\$97,712	3.96	506
3112	Grain and Oilseed Milling	40	2,587	\$63,406	2.18	501
3251	Basic Chemical Manufacturing	84	3,631	\$78,230	1.27	215
3253	Pesticide, Fertilizer, & Other Ag. Chem. Mfg.	55	2,217	\$92,537	3.14	430
3254	Pharmaceutical and Medicine Mfg.	185	6,824	\$93,090	1.05	979
3391	Medical Equipment and Supplies Mfg.	250	3,918	\$60,943	0.62	186
4245	Farm Product Raw Material Merchant Whole	198	2,159	\$51,195	1.64	-45
54171	R&D in Physical, Engineering, & Life Science	834	8,247	\$121,445	0.53	138
54194	Veterinary Services	721	8,642	\$44,093	1.01	1,457

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2022 Annual Data

The average annual private wage in Biosciences in 2022 was \$77,615. This was \$17,456 more than the state's average annual private wage of \$60,159. The highest average annual wages within this industry were in *Research and Development in the Physical, Engineering, and Life Sciences; Animal Food Manufacturing; Pharmaceutical and Medicine Manufacturing; and Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing*.

Nine Biosciences industries had net employment gains from 2017 to 2022. *Veterinary Services* had the largest gain in employment, adding 1,457 jobs. *Veterinary Services* is also the largest industry, employing 8,642 workers in 2022. *Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing* had the fastest growth rate, growing 24.1 percent from 2017.

NOTES:

Target Industries are defined by North American Industry Classification System (NAICS) codes relevant to the target industry cluster. Industry clusters are not mutually exclusive and may include similar industry codes.

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